



# State Revolving Fund Loan Programs

## Drinking Water, Wastewater, Nonpoint Source

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### ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

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#### TOWN OF UPLAND NEW WATER LINES SRF PROJECT DW 05 07 27 01

**DATE:** July 30, 2008

**DEADLINE FOR SUBMITTAL OF COMMENTS:** August 29, 2008

#### I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

#### II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Drinking Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

#### III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen  
Senior Environmental Manager  
State Revolving Fund -- IGCN 1275  
100 N. Senate Ave.  
Indianapolis, IN 46204  
317-232-8623

# ENVIRONMENTAL ASSESSMENT

## I. PROJECT INFORMATION

Project Name and Address:

Town of Upland  
Addendum #3  
87 North Main St.  
Upland, IN 46989

SRF Loan Number:

DW 05 07 27 01

Authorized Representative:

Michael Cooper  
Town Council President

## II. PROJECT LOCATION

Upland is located in Jefferson Township in Grant County, Indiana. The existing/future study area is shown on Exhibit 1. There are two project areas: (1) the eastern water line installation in row-crop farmland, then crossing Jefferson Ditch, in T23N, R9E, Section 3 in the Hartford City quadrangle, and (2) the western water line installation along Berry Street from CR 900 E (8<sup>th</sup> Street) east to Third Street, in the Hartford City West and Gas City USGS quadrangles, T23N, R9E, sections 3/10, and south from Berry Street on CR 900 E (8<sup>th</sup> Street) and then east for a short distance in an overgrown sewer line easement in the Gas City quadrangle, T23N, R9E, sections 9/10.

## III. PROJECT NEED AND PURPOSE

The project is needed to provide looping to improve system pressure and flows in specific areas of town. The eastside project will also provide service to a Taylor University project that is presently being developed through the William Taylor Foundation.

## IV. PROJECT DESCRIPTION

The eastside project will consist of installing approximately 2,100 feet of 8-inch water line, five 8-inch valves and four hydrants. The westside project will consist of installing approximately 2,500 feet of 8-inch water line, 475 feet of 6-inch water line, three 8-inch valves and two hydrants. The improvements are shown on Exhibits 2 and 3.

## V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

### A. Selected Plan Cost Summary

#### Construction

<u>Proposed Eastside Distribution Improvements</u>	Estimated Cost
2,100 feet 8-inch transmission main	\$ 73,500
Directional Bore	25,000
4 hydrants	12,000
5 valves	5,000
<u>Proposed Westside Distribution Improvements</u>	
475 feet 6-inch transmission main	14,250
2,500 feet 8-inch transmission main	87,500
3 8-inch valves	3,000
2 hydrants	6,000
Total Estimated Construction Cost	<b>\$226,250</b>

#### Non-Construction

Contingencies	\$ 11,313
Archaeological survey	\$ 1,545
Engineering/Administration	\$ 25,000
Total Estimated Non-Construction Cost	<b>\$ 37,858</b>

**Total Estimated Project Cost Addendum #3 \$264,108**

- B. Upland closed on a loan for \$2,750,000 on September 29, 2005 from the State Revolving Fund Loan (SRF) Program. The work approved in the original PER, as well as work described in Addendum #1, is substantially completed and has reduced the balance to \$798,082. Addenda #2 and #4 will reduce the SRF loan balance to approximately \$577,345 and will be bid later. The cost for Addendum #3 described here will further reduce the balance to approximately \$323,237. All costs will be paid from the original SRF loan. Upland will not need to borrow additional funds for these projects.

## VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Alternatives were evaluated based on cost effectiveness, technical feasibility, practicality, reliability, ease of implementation, and environmental soundness.

- A. **No Action Alternative:** The no action alternative consists of maintaining the current methods for the distribution system with no repairs, replacement, or rehabilitation efforts. This alternative will not alleviate the problems associated with inadequate pressure and flows during peak periods and is not practical.
- B. **Improve the System:** By implementing the proposed improvements, the problems with pressure and peak flow periods will be alleviated. This is the selected alternative.

## VII. Environmental Impacts of the Feasible Alternatives

### A. Direct Impacts

**Disturbed Land and Undisturbed land:** The eastside water line will be installed in a proposed easement next to a future road that is currently row-crop farmland for the most part. The 8-inch portion of the westside project will be installed immediately adjacent to the pavement of Berry Street and CR 900 E, in the disturbed right-of-way. At the southernmost point along CR 900 E, a 6-inch line in the westside project will run east of CR 900 E through a wooded area in an existing disturbed easement that presently contains a sanitary sewer. The town has allowed brush and trees to grow over the sewer line.

**Structural Resources** (Exhibit 4): The proposed project will not affect historic properties. The SRF finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

**Biota:** Some clearing of brush and small trees will be necessary to install the westside 6-inch line east of CR 900 E, since the easement has not been kept cleared since the sewer line was installed. The construction and operation of the project will not negatively impact state or federal-listed endangered species or their habitat.

**Wetlands** (Exhibit 5): The proposed project will not affect wetlands.

**Floodway and Floodplain:** The project will not displace floodwaters. Upland does not participate in the FEMA Flood Insurance program.

**Stream Crossings** (Exhibit 1) **and Surface Waters:** The eastside line will cross Jefferson Ditch, an ephemeral stream, by directional bore. In the westside project area, at CR 900 E near the point where the 6-inch line will turn east, the topographic map indicates the extreme headwaters of an ephemeral stream, which the 8-inch line will cross by open-cut. The project will not adversely affect the Lake Michigan Coastal Zone, Exceptional Use streams, Outstanding State Resource Waters, or Natural, Scenic and Recreational Rivers and Streams.

**Groundwater:** The project will not impact a drinking water supply or sole source aquifer.

**Prime Farmland:** The proposed project will not affect prime farmland.

**Natural National Landmarks:** Construction and operation of the proposed project will not impact National Natural Landmarks.

**Air Quality:** During construction, local air quality will be adversely affected by noise, dust and fumes associated with excavation and construction activities. These impacts will be short-term and minor in nature. There will be no long-term impacts on air quality.

**Open Space and Recreational Opportunities:** The proposed project's construction and operation will neither create nor destroy open space and recreational opportunities.

## **B. Indirect Impacts**

The town's Preliminary Engineering Report (PER) states: *The Town, through the authority of its Council, planning commission, or other means will ensure that future development, as well as future supply, storage, distribution, or treatment works projects connecting to SRF-funded facilities, will not adversely impact archaeological/ historical/structural resources, wetlands, wooded areas or other sensitive environmental resources. The Town will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

## **C. Comments by Environmental Review Authorities**

This assessment serves as the first notice to the Indiana Department of Natural Resources (IDNR) Environmental Unit and the U.S. Fish and Wildlife Service.

The Natural Resources Conservation Service, in correspondence dated May 13, 2008, noted that the project will convert prime farmland. Actually, however, farmland under the eastside project will not be converted from agricultural uses.

The IDNR Division of Historic Preservation and Archaeology, in correspondence dated July 11, 2008, stated: *Based on our analysis, it has been determined that no historic properties will be altered, demolished, or removed by the proposed project. Also, we concur with the findings of the archaeological report in that no known archaeological sites listed in or eligible for inclusion in the National Register of Historic Places will be altered, demolished or removed by the ...project. However, ... if any artifacts, features, or human remains are uncovered during construction, state law (Indiana Code 14-21-1-27 and 29) requires that the discovery must be reported to the Department of Natural Resources within two business days.*

## **VIII. MITIGATION MEASURES**

The town's PER states: *Adverse impacts caused by dust generated from construction activities will be alleviated by periodically wetting the exposed soil and unpaved roadways to reduce the suspension of dust particles. To reduce noise impacts on the surrounding neighborhood work activities will be limited to normal daytime hours.*

*Siltation and erosion will be kept to a minimum. Any mitigation measures mandated by authorized reviewing agencies to reduce or eliminate waterway contamination will be implemented*

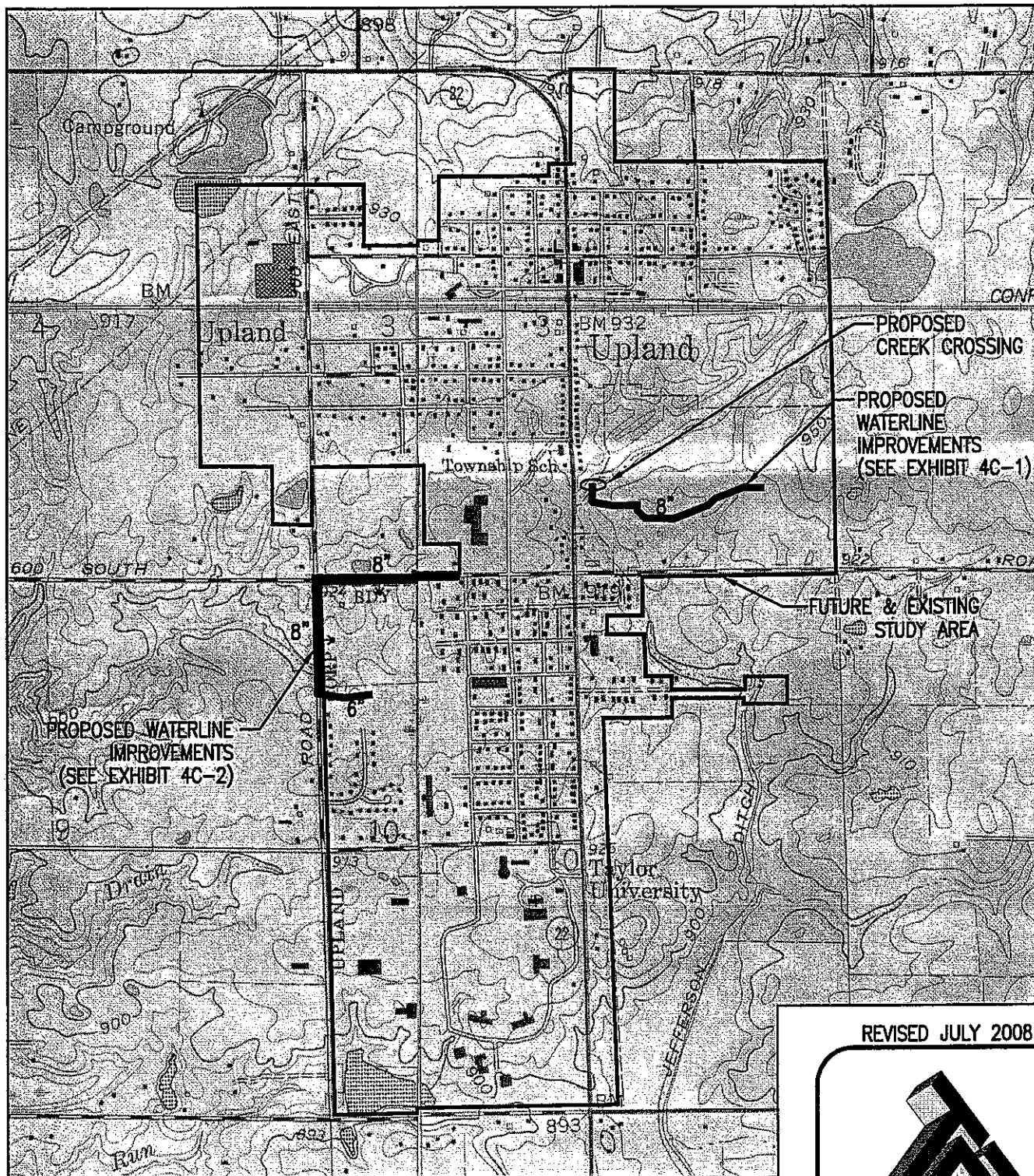
*Mitigation measures cited in comment letters from the Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.*

*The project will be implemented to minimize impact to non-endangered species and their habitat.*

*If necessary, dewatering will be employed during construction with the flow directed to a sedimentation basin prior to being discharged to surrounding surface waters.*

## **IX. PUBLIC PARTICIPATION**

A properly noticed public hearing was held on July 23, 2008 at 7:00 PM at the Town Hall to discuss the proposed project. No negative comments on this project were voiced at the public hearing, and the utility did not receive written comments in the five-day period following the hearing.

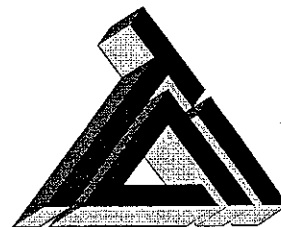


## TOWN OF UPLAND EXISTING AND FUTURE STUDY AREA



1 inch = 1500 ft.

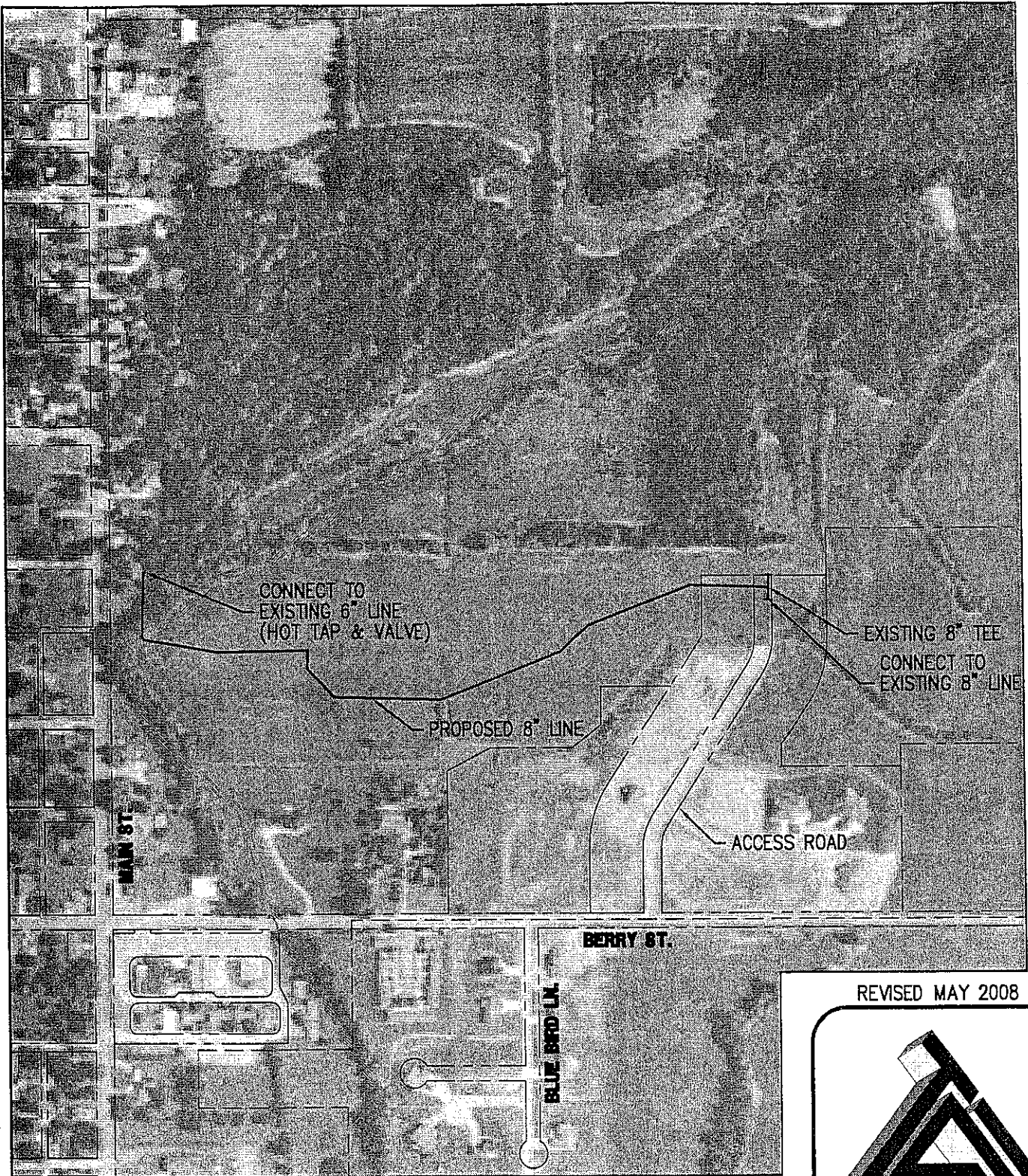
REVISED JULY 2008



**TRIAD ASSOCIATES INC.**  
5835 LAWTON LOOP EAST DRIVE  
INDIANAPOLIS, INDIANA 46216  
PHONE: 317-377-5230 FAX: 317-377-5241

**Exhibit 1**

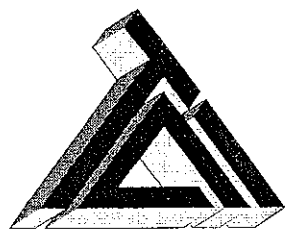




**TOWN OF UPLAND** *Outside Line*  
**PROPOSED SYSTEM IMPROVEMENTS**



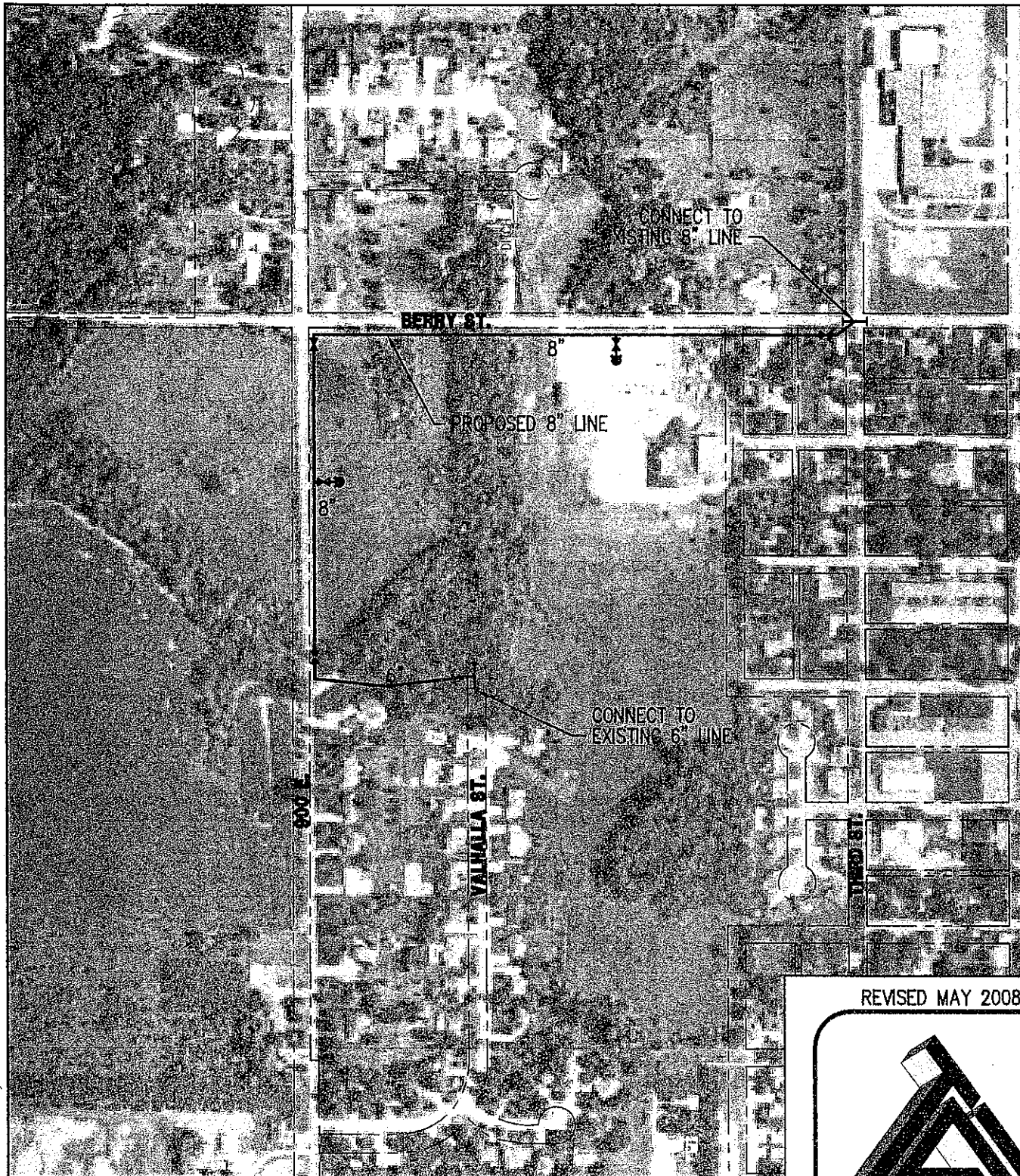
REVISED MAY 2008



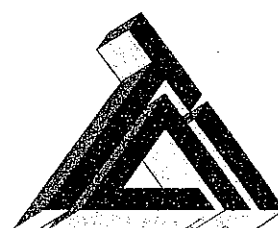
**TRIAD ASSOCIATES INC.**  
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 INDIANAPOLIS, INDIANA 46216  
 PHONE: 317-377-5230 FAX: 317-377-5241

**Exhibit 2**





REVISED MAY 2008



**TRIAD ASSOCIATES INC.**  
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 INDIANAPOLIS, INDIANA 46216  
 PHONE: 317-377-5230 FAX: 317-377-5241

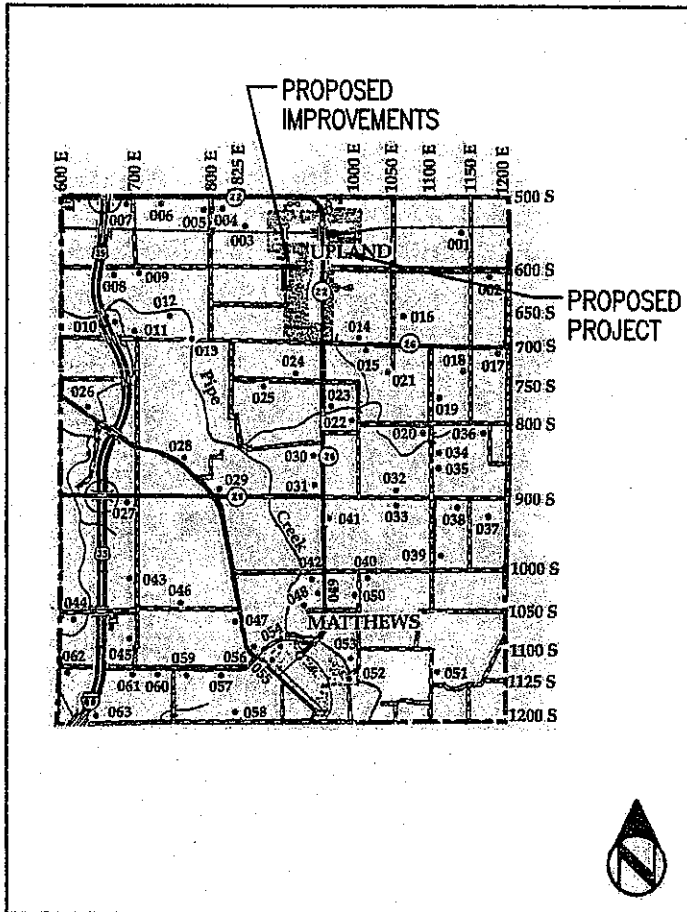
# **TOWN OF UPLAND** *Westside Line* **PROPOSED SYSTEM IMPROVEMENTS**



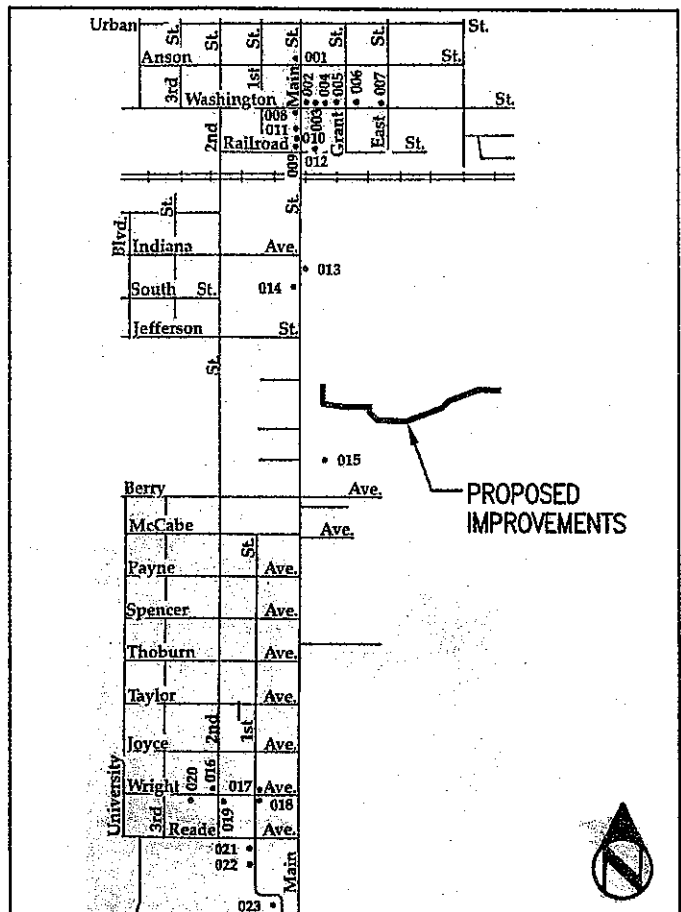
1 inch = 400 ft.



**Exhibit 3**



JEFFERSON TOWNSHIP (45001-063)



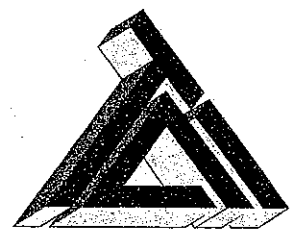
UPLAND SCATTERED SITES (45001-023)

GRANT COUNTY  
JEFFERSON TOWNSHIP (45)  
GAS CITY QUADRANGLE

## TOWN OF UPLAND INTERIM REPORT

SCALE: N.T.S.

REVISED MAY 2008



**TRIAD ASSOCIATES INC.**  
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Exhibit 4

